

CLAIMS

What is claimed is:

1. A method of facilitating purchases from a wireless device comprising:
 detecting, at a proxy, that a wireless device is attempting to access a form from a
 5 merchant server, where the form requires information to be entered;
 automatically filling the form at the proxy;
 delivering the filled-form to the wireless device together with a hyperlink to a file
 stored on a wallet server; and
 upon receipt at said wallet server of an instruction from the wireless device,
 10 delivering to the merchant server information to complete a transaction.

2. The method of claim 1, wherein the step of detecting comprises receiving a
 request from the wireless device, parsing the request and comparing it with a pre-
 determined list of merchant form identifiers.

3. The method of claim 2, wherein the pre-determined list includes associated
 mappings between fields of merchant forms and fields of user personal details.

4. The method of claim 2, wherein the step of receiving comprises receiving a
 20 wireless protocol request at a wireless gateway and converting it to a HTTP request.

5. The method of claim 1, wherein, following the step of detecting, retrieving the
 form from the merchant server and caching it in a cache at the wallet proxy.

6. The method of claim 5 further comprising retrieving the form from the cache upon
 receipt of an invoke instruction to invoke the wallet proxy.

7. The method of claim 6, wherein the step of filling the form proceeds from the step
 of retrieving the form from the cache.

8. A proxy for facilitating purchases from a wireless device comprising:
 a memory to store a list of predetermined merchant form URL's,
 a parser and filter for identifying by comparison with said list an incoming attempt
 from a wireless device to access a form from a merchant server, where the form requires
 5 information to be entered;
 a form-filling software program for filling the form at the proxy; and
 a socket to a wireless gateway for delivering the filled-in form to the wireless
 device together with a hyperlink to a file stored on a wallet server and for receiving an
 instruction from the wireless device; and
 10 a socket to a wallet server for delivering the instruction to the wallet server to
 complete a transaction.

9. A data storage medium having stored thereon wallet proxy computer instructions
 that, when loaded onto a gateway server, cause the gateway server to operate as a proxy
 15 that:
 receives, parses and filters requests from wireless devices;
 identifies an attempt to access a form from a merchant server, where the form
 requires information to be entered;
 automatically fills the form with user data; and
 20 delivers the filled-form to a wireless device through the gateway, together with a
 hyperlink to a file stored on a wallet server.

10. A method of operation of a wireless device by a user, the method comprising:
 sending, to an Internet connected gateway, a request to access a form from a
 25 merchant server, where the form requires information to be entered;
 receiving from the gateway a representation of the form pre-filled by wallet
 software associated with the gateway with data relating to the user, together with a
 hyperlink to a file stored on a wallet server further associated with the wallet software;
 and
 30 selectively activating the hyperlink to the file to activate a transaction with the
 merchant server.

11. A wireless device having a browser for sending, to an Internet connected gateway,
 a request to access a form from a merchant server, where the form requires information to

be entered; characterized in that, upon receipt from a proxy, the wireless device receives, stores and presents to a user a representation of the form pre-filled with data relating to the user, together with a hyperlink to a file and an indication that activation of the hyperlink will complete a transaction.

5